**2.2: Adding Real Numbers**

**Goals:** \*Add numbers with same signs

\*Add numbers with different signs

**Same Signs:**

**1. Ex:** –7 + (–10)

**2. Ex:** –11.5 + (–2.7)

**Different Signs:**

**1. Ex:** –21 + 6

**2. Ex:** –12.6 + 7.3

**Ex:** The table shows how much weight two dieters lost or gained per month.

a) Find the total amount of weight lost by each dieter.

b) Which dieter had the greater weight loss at the end of three months?

|  |  |  |
| --- | --- | --- |
| **Month** | **Dieter A** | **Dieter B** |
| 1 | –3.3 | –7.8 |
| 2 | –5.1 | 1.2 |
| 3 | 0.5 | –0.8 |

**Ex:** The table below shows the profits of two piano companies over the course of 3 years. (Positive profit means the company made money, while a negative profit means the company lost money)

a) Find the profits for both companies, then decide which piano manufacturer had the greatest profits after 3 years?

b) How much more money did this company make?

|  |  |  |
| --- | --- | --- |
| **Year** | **A** | **B** |
| 1 | –5.8 | –6.5 |
| 2 | 8.7 | 7.9 |
| 3 | 6.8 | 8.2 |